

ETS Pre-requisite Checklist

The table below identifies major changes incorporated into this document.

Date	Version	Description
7/8/2015	1.0	Initial Draft Version
7/13/2015	1.1	Added: KB3026376 requirement
7/20/2015	1.2	Removed KB2974335/6 since the new KB3026376 rollup has that specific patch included Minor details added to SQL Server, SQL CE, Crystal Reports and installation of ETS.
8/10/2015	1.3	Added: Appendix B – Laptop and Infrastructure Configuration of Port :5555
10/22/2015	1.4	Updated SQL Server SCCM package # (0...85E → 0...896)
3/3/2015	1.5	Minor updates and clarifications
9/21/2017	2.0	Updated/consolidated ETS Prerequisites <ul style="list-style-type: none"> ○ .NET 4.5.2 → .NET 4.6.2 ○ Crystal Reports SP10 → Crystal Reports SP18 ○ Removed old KB packages for .NET 4.5.2 ○ Removed ALERT references and Appendix A ○ Updated install file locations from SCCM to IMPL_WIN Coming soon: <ul style="list-style-type: none"> ○ SQL Server 2012 Stand-Alone installation (SQL2008 no longer required)



ETS Pre-requisites

Item	Version / Notes	Where it can be found
.NET Framework	4.6.2	https://www.microsoft.com/en-us/download/details.aspx?id=53344
SQL Server 2012 Express	<p>**Not included in RMS/DCP image – separate installation required**</p> <p>Microsoft SQL Server 2012 Express (SP2) - 11.0.5058</p> <p><u>Note:</u> Easier if you run (as the local user) via Software Center</p>	<p>64 Bit:</p> <p>http://go.microsoft.com/fwlink/?LinkId=186788&clcid=0x409</p>
'FDIC2008' SQL Server Instance Name	<p>**Not included in RMS/DCP image – separate installation required**</p> <p>When installing SQL Server 2012 you need to set the instance name to "FDIC2008".</p> <p>Please also follow additional steps for setup of Filestream and CLR. User in SQL Server Management Studio must also have DBCreator and BulkAdmin privileges to create the ETS database.</p> <p><u>Note:</u> Easier if you run (as the local user) via Software Center</p>	<p>If installation assistance is needed, please contact:</p> <p>Examiner Help Desk</p> <p>ehelp@fdic.gov</p> <p>1-877-334-2999</p> <p>(or *999)</p>
SAP Crystal Reports for Visual Studio 2010 – SP18	<p>Service Pack 18 – 64 bit</p> <p>Note: The 32-bit version of Crystal Reports is no longer required</p>	https://wiki.scn.sap.com/wiki/display/BOBJ/Crystal+Reports%2C+Developer+for+Visual+Studio+Downloads
KB2779272 Hotfix	Update adds support for some new glyphs and features in Windows 8 to common fonts in Windows 7 and in Windows Server 2008 R2	http://support.microsoft.com/kb/2779272
PDFNet	1.0 –driver that assists the library used in converting files to PDF	http://www.pdftron.com/ .
URL / ACL Script for Collaboration	<p>The URLACL is a configuration setting that allows the ETS application to host a web service for local network data collaboration.</p> <p>**Needs to be applied within infrastructure equipment. For example: firewalls, load balancers, NetScalers, Riverbeds, etc.**</p>	<p>Apply configurations via ETS-FREDDY:</p> <p>https://ets.fdic.gov/ets-freddy/</p>

High-level Requirements

Below is a list of high-level requirements to assist your team in the installation of ETS pre-requisites.

** Please contact the Examiner Help Desk at ehelp@fdic.gov or 1-877-334-2999 with any questions **

ETS Pre-requisite Installation Checklist

The steps outlined below are specific to FDIC and while applicable to most windows configuration, each machine may vary based on an organization's environment specifics.

*** Field Office Representatives (and IT specialists) ***

When installing the pre-requisites, **for best results**, we recommend elevating the local user profile to an administrator. Log off/Log on. Then, install all of the pre-requisites as the local user; rather than installing with your own administrator (-d) accounts. Several of the packages that were created (on local SCCM server) require applying specific configurations to the user account and installing with a -d, can result in a variety of errors/results.

If you are building a new laptop, the standard image should install all of these pre-requisites **except for** SQL Server. **For best results**, we recommend installing SQL Server from Software Center. If manual installation is required, please contact the Examiner Help Desk for additional assistance.

- Install required software:
 - 1. .NET 4.6.2 - <https://www.microsoft.com/en-us/download/details.aspx?id=53344>
 - \\vaswres002p\Implement_Win\IMPL_APPFILES\Microsoft .NET Framework\Net4.6.2\SCCM
 - Install: **NetFramework_4.6.2.exe**
 - 2. KB2779272 – Update adds support for some new glyphs, features and common fonts in Win 7
 - Additional information: <http://support.microsoft.com/kb/2779272>
 - \\vaswres002p\Implement_Win\IMPL_APPFILES\ETS\KB2779272\SCCM
 - Install: **ETS_KB2779272.EXE**
 - 3. Crystal Reports SP18 (13.0.18) – 64 bit
 - \\vaswres002p\Implement_Win\IMPL_APPFILES\CrystalRuntimes\RuntimesForDotNet64Bit\v13.0.18\SCCM\Source
 - Install: **CRRuntime_64bit_13_0_18.msi**
 - 4. PDF Net 1.0
 - \\vaswres002p\Implement_Win\IMPL_APPFILES\PDFNet\v1.0.0\SCCM
 - Install: **PDFDriver_x64_v1.0.0.exe**
 - Also can be installed within ETS-FREDDY
 - 5. URL ACL configuration (*see Appendix B*)
 - <http://+:5555/ETSCollaboration/>
 - Install with ETS-FREDDY
 - Run ETS-FREDDY as an administrator
 - Run the Check
 - When complete, the FIX button should be available, run **Fix**.
 - Re-run Check to ensure URL/ACL was configured properly.
 - 6. SQL Server 2012 Express (SP2) with ETS configuration (instance name: 'FDIC2008')
 - ****Not included in RMS/DCP image – separate installation required****
 - Will first install SQL2008, then immediately upgrade to SQL Server 2012 (SP2).
 - \\vaswres002p\Implement_Win\IMPL_APPFILES\SQL Express\Ver.2012R2\SCCM
 - Install w/ elevated rights: **SQLServer2012_Express_R2_FDIC2008.EXE**
- Install ETS-FREDDY (<https://ets.fdic.gov/ets-freddy/>)
 - Verify pre-install checks are installed successfully.
 - If applicable, run fixes, and then recheck.
 - 1. Visit ETS-FREDDY homepage for more information.
- Install ETS (<https://ets.fdic.gov/ets/>)
 - Verify ETS profile activation is a success while connected to PROD.
 - Ensure users become “Current with Central Peer within a minute”.

Appendix A – Laptop and Infrastructure Configuration of Port :5555:

Central Peer uses a unique method to communicate with its end user's. Currently, TCP traffic on port 5555 needs to be able to communicate with the Central Peer PROD endpoint (<https://etspsvc.fdic.gov:5555>). There are multiple avenues in which you can direct traffic on the computer. To configure this port, you'll need to run the following script as an administrator:

```
@echo off
set type=BUILTIN
set group=USERS
call :concat %type% %group%
netsh http del urlacl url=http://+:5555/ETSCollaboration > nul:
netsh http add urlacl url=http://+:5555/ETSCollaboration user="%fullGroupName%" > nul:
if %ERRORLEVEL% == 1 goto error
netsh http show urlacl
pause
goto end
:error
echo.
echo Error creating new url acl - are you running as admin?
echo.
goto end
:concat
set fullGroupName=%~1%~2
:end
```

It should also be noted that port 5555 needs to be open on all infrastructure equipment within a network. This should not be limited to laptops, but additional equipment – such as firewalls, load balancers, NetScalers, Riverbeds, etc. – are also advised to be configured.